

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/526,256

Source: PG/10

Date Processed by STIC: 3/9/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/526,256

TIME: 15:20:32

Input Set : A:\66783-152.TXT

Output Set: N:\CRF4\03092005\J526256.raw

4 <110> APPLICANT: Cedars-Sinai Medical Center
 5 Abreu, Maria T.
 6 Taylor, Kent D.
 7 Rotter, Jerome I.
 8 Yang, Huiying
 9 Sugimura, Kazuhito
 10 Targan, Stephan R.
 12 <120> TITLE OF INVENTION: Mutations in NOD2 are Associated with
 13 Fibrostenosing Disease in Patients with Crohn's Disease
 17 <130> FILE REFERENCE: 66783-152
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/526,256
 C--> 20 <141> CURRENT FILING DATE: 2005-02-28
 22 <150> PRIOR APPLICATION NUMBER: US 60/407,391
 23 <151> PRIOR FILING DATE: 2002-08-30
 25 <150> PRIOR APPLICATION NUMBER: US 10/356,736
 26 <151> PRIOR FILING DATE: 2003-01-30
 28 <160> NUMBER OF SEQ ID NOS: 67
 30 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 494
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 1
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 39 tggctgagtg ccagacatct gagaaggccc tgctcggcg ccaggcctgt gcccgctggt 120
 40 gtctggcccg cagcctccgc aagcacttcc actccatccc gccagctgca ccgggtgagg 180
 41 ccaagagcgt gcatgccatg cccgggttca tctggctcat ccggagcctg tacgagatgc 240
 42 aggaggagcg gctggctcgg aaggctgcac gtggcctgaa tgttgggcac ctcaagttga 300
 43 cattttgcag tgtgggcccc actgagtgtg ctgccctggc ctttgtgctg cagcacctcc 360
 44 ggcggcccggt ggccctgcag ctggactaca actctgtggg tgacattggc ctggagcagc 420
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 46 aggtatgggg gagc 494
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 49 <211> LENGTH: 494
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Homo sapiens
 53 <400> SEQUENCE: 2
 54 gctccccat acctgaacag caatgcccag taacactcac tacagagcct tgcagacacc 60
 55 aaggcaaggc agcagctgct ccaggccaat gtcacccaca gaggttgtagt ccagctgcag 120
 56 ggccacgggc cgccggaggt gctgcagcac aaaggccagg gcagcacact cagtggggcc 180
 57 cacactgcaa aatgtcaact tgaggtgccc aacattcagg ccacgtgcag ccttccgagc 240
 58 cagecgctcc tcctgcatct cgtacaggct ccggatgagc cagatgaacc cgggcatggc 300
 59 atgcacgctc ttggcctcac ccggtgcagc tggcgggatg gaggtggaagt gcttgccgag 360

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60 gctgcggggcc agacaccagc gggcacaggc ctggcgccgg agcagggcct tctcagatgt 420
61 ctggcactca gccagcaggc cccagtgtct ccgggacaac agccctgcc ggaaggctgc 480
62 tgtgatctga aggt 494
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65 <211> LENGTH: 540
66 <212> TYPE: DNA
67 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 3
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71 ctcttgaaat ccaatgggtct tttttcctta ctccattgcc taacattgtg gggtagaaat 120
72 aaagttcaaa gaccttcaga actggcccca gctcctccct cttcacctga tctccccaag 180
73 aaaactgcag gatagactct gaagcttacc tgagccacct caagctctgg tgatcaccca 240
74 aggttcagc cagggcctgg gccccctcgt caccactct gttgccccag aatctgaaaa 300
75 ggccaaaaga gtcaacagac agtgtcagtg agtacctgat atgtgttcta gacatgaact 360
76 aacagtcctc ctccctctgc agtcccagcc agaggggcag gaccactcaa tcccagagt 420
77 gcctcactgg ggctcctggc cccagcaaag tggacctgcc tccatctttt ggggtgggatg 480
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83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 4
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89 cactctggga ttgagtggc ctgcccctct ggctgggact gcagaggag gaggactgtt 180
90 agttcatgtc tagaacacat atcagggtact cactgacact gtctgttgac tcttttggcc 240
91 ttttcagatt ctggggcaac agagtgggtg acgagggggc ccaggccctg gctgaagcct 300
92 tgggtgatca ccagagcttg aggtggctca ggtaagcttc agagtctatc ctgcagtttt 360
93 cttggggaga tcaggtgaag agggaggagc tggggccagt tctgaaggtc tttgaacttt 420
94 atttctaccc cacaatgtta ggcaatggag taaggaaaaa agaccattgg atttcaagag 480
95 aggacactcg agtctttctg ggtgacttgg aaatgtccct tgtcctctca gggttttgat 540
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99 <211> LENGTH: 541
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101 <213> ORGANISM: Homo sapiens
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105 aatcagatcc ttcacatgca gaatcattct cactgaatgt cagaatcaga agggatcctc 120
106 aaaattctgc cattcctctc tcccgtcacc ccattttaca gatagaaaaa ctgagggtcg 180
107 gagagctaaa acaggcctgc ccaggggcct taccagactt ccaggatggg gtcattcctt 240
108 tcaaggggcc tgcaggaggg cttctgcccc taggtagggt atgcagttat tggacaacct 300
109 ggaaaagaag atacaatggg gagcttcaag gattcttggg tttcctcttg aaactgtcca 360
110 gttaaagaga ctgcaggagt tagccagtct actgaagccc acctgtccct tagacacatc 420
111 ctgctcatgt ctgagattcc caatgagctc atcaacaaag gctcagtacc atcagtgaag 480
112 tgtaaccgtc tctcttccat tccactagatg agtttatcaa attaagtagc cactccctta 540
113 g 541
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 541
117 <212> TYPE: DNA

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118 <213> ORGANISM: Homo sapiens

120 <400> SEQUENCE: 6

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122 atttcactga tggactagag cctttgttga tgagctcatt ggaatctca gacatgagca 120
123 ggatgtgtct aaggacagag tgggcttcag tagactggct aactcctgca gtctctttaa 180
124 ctggacagtt tcaagaggaa aaccaagaat ccttgaagct caccattgta tcttcttttc 240
125 caggttgtcc aataactgca tcacctacct aggggcagaa gccctcctgc agggcccttg 300
126 aaaggaatga caccatcctg gaagtctggg aaggccctg ggcaggcctg ttttagctct 360
127 ccgaacctca gtttttctat ctgtaaaatg gggtagcggg agagagggaat ggcagaattt 420
128 tgaggatccc ttctgattct gacattcagt gagaatgatt ctgcatgtga aggatctgat 480
129 tctctgtcta agaaagaagt ctttacctct ttaagtaggg agcaatgatt tcatttttaa 540
130 a 541

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132 <210> SEQ ID NO: 7

133 <211> LENGTH: 540

134 <212> TYPE: DNA

135 <213> ORGANISM: Homo sapiens

137 <400> SEQUENCE: 7

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139 gccggcagct gaatgggaag acaaagagaa attcctggaa gtcttgccct gcagcccaca 120
140 gcaagtgcag ccgctgcagg agcgtgctct tgccactgcc cgcctcacc accaccagca 180
141 cagtgtccgc atcgtcattg aggtggccag gggtagtgaa gagctcctcc agggccaggg 240
142 tggctgggct cttctgaggg ggtccagcca tgcccacatc tgcccagacc tccaggacat 300
143 tctctgtgta tatgtcctcc aggcagagcg tctctgctcc atcataggta ctgagggaagc 360
144 gagactgagc agacaccgtg gtcctcagct tggccatata cttcttgcat gtggcagctg 420
145 gaaggcagaa gaagaggcag atgaagggtg cccatgggtg aagacgggac ctaaccagac 480
146 aatgggctgc tgcgggggac gctgacataa ctgaagggat aggagagcca gcggggcgccc 540

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149 <210> SEQ ID NO: 8

150 <211> LENGTH: 540

151 <212> TYPE: DNA

152 <213> ORGANISM: Homo sapiens

154 <400> SEQUENCE: 8

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156 gtctgggttag gtcccgctctt caccatggtg ccaccttcac ctgcctcttc ttctgccttc 120
157 cagctgccac atgcaagaag tatatggcca agctgaggac cacggtgtct gctcagttct 180
158 gcttcctcag tacctatgat ggagcagaga cgctctgcct ggaggacata tacacagaga 240
159 atgtcctgga ggtctgggca gatgtgggca tggctggacc ccgcagaaag agcccagcca 300
160 ccctgggcct ggaggagctc ttcagcacc cctggccacct caatgacgat gcggacactg 360
161 tgctgggtgg gggtagggcg ggcagtggca agagcacgct cctgcagcgg ctgcacttgc 420
162 tgtgggctgc agggcaagac ttccaggaat ttctctttgt cttcccattc agctgccggc 480
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167 <211> LENGTH: 520

168 <212> TYPE: DNA

169 <213> ORGANISM: Homo sapeins

171 <400> SEQUENCE: 9

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173 cagcccaata tcttcaattt acagatactg tatcaaaacc ctgagaggac aaggacatt 120
174 tccaagtcac ccagaaagac tcgagtgtcc tctcttgaaa tccaatggtc ttttttcctt 180
175 actccattgc ctaacattgt ggggtagaaa taaagttcaa agaccttcag aactggcccc 240

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176 agctcctccc tcttcacctg atctcccca gaaaactgca ggatagactc tgaagcttac 300
177 ctgagccacc tcaagctctg gtgatcacc aaggcttcag ccagggcctg ggccccctcg 360
178 tcacccactc tgttgcccca gaatctgaaa aggccaaaag agtcaacaga cagtgtcagt 420
179 gagtacctga tatgtgttct agacatgaac taacagtcct cctccctctg cagtcccagc 480
180 cagaggggca ggaccactca atcccagagt ggcctcactg 520
182 <210> SEQ ID NO: 10
183 <211> LENGTH: 520
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 10
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189 aggactgtta gttcatgtct agaacacata tcaggtaact actgacactg tctgttgact 120
190 cttttggcct tttcagattc tggggcaaca gagtgggtga cgagggggcc caggccctgg 180
191 ctgaagcctt gggatgatcac cagagcttga ggtggctcag gtaagcttca gagtctatcc 240
192 tgcagttttc ttggggagat cagggtgaaga gggaggagct ggggccagtt ctgaaggctc 300
193 ttgaacttta tttctacccc acaatgttag gcaatggagt aaggaaaaaa gaccattgga 360
194 tttcaagaga ggacactcga gtctttctgg gtgacttgga aatgtccctt gtcctctcag 420
195 ggttttgata cagtatctgt aaattgaaga tattgggctg gatcagggtac attttatctt 480
196 aaggaccaat tccaatccat tggtagtggt tggccagtgc 520
198 <210> SEQ ID NO: 11
199 <211> LENGTH: 535
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapiens
203 <400> SEQUENCE: 11
204 tcactaacca gctcaggaag ctccaccagt tgggaagtta atcattatgt ctagcttcag 60
205 tttctcctgc ttcagtttaa attgggaaag agagagaaaa aatattcact cattatctgt 120
206 ttcctaaaaat tgtccttaac atccttcctc ttactccttt attacctggt cgggcttccc 180
207 ctcttcaggc gaaatctgtc agtctatctg cattgccttt tgatctctac ttcagttact 240
208 acaacttcaa agacaccatt gtctcccca aggtgaggcc catgtagaga aaggatcact 300
209 tccttgctga aagagagggg caaggggcga cccacgtggg cctccctga aaccaggcc 360
210 caggcctgag cctggacacc tccttccttc ctgagaccac agccagcccg gtttctctgg 420
211 ggccaagagc aaatgctttg ctttaagtgt gaaatctcag cccactgacc ccttgcagac 480
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215 <211> LENGTH: 496
216 <212> TYPE: DNA
217 <213> ORGANISM: Homo sapiens
219 <400> SEQUENCE: 12
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222 tattacctgg tcgggcttcc cctcttcagg cgaaatctgt cagtctatct gcattgcctt 180
223 ttgatctcta cttcagttac tacmacttca aagacaccat tgtcctcccc aagggtgaggs 240
224 ccatgtagag aaaggatcac ttccttgctg aaagagaggg tcaaggggtg acccacgtgg 300
225 gccctccctg aaaccaggcc ccaggcctga gcctggacac ctccttcctt cctgagacca 360
226 cagccagccc ggtttctctg gggccaagag caaatgcttt gcttaagtgc tgaatatctc 420
227 gccactgac cccttgcmga caggagagga ggggaagccc agggaagctc aacttcccaa 480
228 gtgtcctgag tctctg 496
230 <210> SEQ ID NO: 13
231 <211> LENGTH: 488

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232 <212> TYPE: DNA
233 <213> ORGANISM: Homo sapiens
235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
237 <222> LOCATION: 434
238 <223> OTHER INFORMATION: n = A,T,C or G
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243 ggtcgggctt cccctcttca ggcgaaatct gtcagtctat ctgcattgcc ttttgatctc 180
244 tacttcagtt actacaactt caaagacacc attgtcctcc ccaaggtgag gcccatgtag 240
245 agaaaggatc acttccttgc tgaaagagag ggtcaagggg tgaccacagt gggccctccc 300
246 tgaaacccag gcccaggcct gagcctggac acctccttcc ttcctgagac cacagccagc 360
247 ccggtttctc tggggccaag agcaaagtct ttgcttaagt gctgaaatct cagccactg 420
W--> 248 amcccttgca gacnggagag gagggggaagc ccagggaagc tcaacttccc aagtgtcctg 480
249 agtctctg 488
251 <210> SEQ ID NO: 14
252 <211> LENGTH: 491
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: 437
259 <223> OTHER INFORMATION: n = A,T,C or G
261 <400> SEQUENCE: 14
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263 ttcaactcatt atctgtttcc taaaattgtc cttaacatcc ttctctttac tcctttatta 120
264 cctggtcggg cttccctctc tcaggcgaaa tctgtcagtc tatctgcatt gccttttgat 180
265 ctctacttca gttactacaa cttcaaagac accattgtcc tccccaaggt gaggcccatg 240
266 tagagaaagg atcacttctt tgctgaaaga gagggtcaag gggygacca cgtgggccct 300
267 ccctgaaacc caggcccagg cctgagcctg gacacctcct tccttctga gaccacagcc 360
268 agcccggttt ctctggggcc aagagcaaat gctttgctta agtgctgaaa tctcagccca 420
W--> 269 ctgaccctt gcagacngga gaggagggga agcccaggga agtcaactt cccaagtgtc 480
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275 <213> ORGANISM: Homo sapiens
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280 cctggtcggg cttccctctc tcaggcgaaa tctgtcagtc tatctgcatt gccttttgat 180
281 ctctacttca gttactacaa cttcaaagac accattgtcc tccccaaggt gaggcccatg 240
282 tagagaaagg atcacttctt tgctgaaaga gagggtcaag gggygacca cgtgggccct 300
283 ccctgaaacc caggcccagg cctgagcctg gacacctcct tccttctga gaccacagcc 360
284 agcccggttt ctctggggcc aagagcaaat gctttgctta agtgctgaaa tctcagccca 420
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286 ctgagtctct g 491
288 <210> SEQ ID NO: 16

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 434
Seq#:14; N Pos. 437
Seq#:16; N Pos. 437
Seq#:17; N Pos. 159
Seq#:18; N Pos. 433
Seq#:19; N Pos. 432
Seq#:20; N Pos. 430
Seq#:21; N Pos. 431
Seq#:22; N Pos. 434
Seq#:23; N Pos. 434

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/526,256

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Input Set : A:\66783-152.TXT

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L:19 M:270 C: Current Application Number differs, Replaced Current Application Number
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:420
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:420
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:420
L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:420
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:420
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:420
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:420
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:420
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:420